Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**Trigonometry Quiz Study Guide**

* find a missing side length of a right triangle using trigonometry
* find a missing angle of a right triangle using trigonometry
* create a diagram from a word problem (including that that use angle of elevation and angle of depression)
  + *Note: You will* ***not*** *need to draw a diagram that involves more than one triangle.*
* set up and solve a trig. equation from a diagram
* complete problems similar to #1 – 5 in the “Trigonometry PARCC Problem Set”
  + key idea: In a right triangle, the two acute angles are complementary. If one of the angles measures *x*o then the other angle measures (90 – x)o.
  + key idea: The cosine of an angle is equal to the sine of its complement, and vice versa. For example: sin(72o) = cos(18o)
  + When two triangles are similar, the sine/cosine/tangent ratios will be the same for corresponding angles.
  + Drawing diagrams can be very helpful!
  + Assigning letters to sides or angles can be very helpful! (See #2 in Problem Set)